(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 8 January 2004 (08.01.2004)

(10) International Publication Number WO 2004/002832 A1

(51) International Patent Classification7: 25/00

B65B 55/02,

(21) International Application Number:

PCT/EP2003/006903

(22) International Filing Date: 27 June 2003 (27.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02077594.6

28 June 2002 (28.06.2002)

- (71) Applicant (for all designated States except US): CORUS STAAL BV [NL/NL]; P.O. Box 10000, NL-1970 CA IJmuiden (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): TAMIS, Paulus, Jozef [NL/NL]; Grote Boterbloem 85, NL-1991 LK Velserbroek (NL).
- (74) Agent: HERMAN DE GROOT, Johan, Willem; Corus Technology BV, P.O. Box 10000, NL-1970 CA IJmuiden (NL).

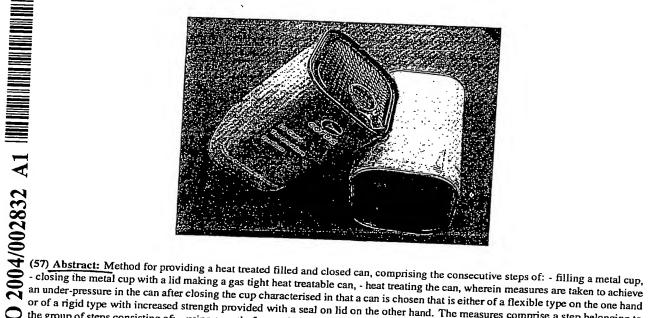
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR PROVIDING A HEAT TREATED FILLED AND CLOSED METAL CAN



an under-pressure in the can after closing the cup characterised in that a can is chosen that is either of a flexible type on the one hand or of a rigid type with increased strength provided with a seal on lid on the other hand. The measures comprise a step belonging to the group of steps consisting of: - using a partly frozen filling; - having the filling comprise constituents that interact after closing so as to lower the specific volume of the filling in the can; - adding steam to the cup after filling and before closing; - closing the cup under sub-atmospheric pressure; - partly evacuating the can after closing.

BEST AVAILABLE COPY